THERMOX SA

SPECIAL COATING FOR HIGH TEMPERATURES

Technical Data Sheet

SPECIFICATIONS		TESTING METHOD		
		NOM or NMX	ASTM	ISO
Number of components.	1	--	--	--
Ratio (Mixture) Part A:	-- 95XXX THERMOX SA	--	--	--
Thinner	MT-580	--	--	--
Theoretical yield (@ 1 mil)	19 m^2/l minimum	--	--	--
Appearance	Matte	--	--	--
Adherence	5B minimum	NMX-U-065-SCFI-2011	D-3359	2409
Density (Mixture) @ 77°F (25°C)	1.500 - 1.700 g·cm^{-3}	NMX-C-454-ONNCCE-2007	D-1475	2811-1
Recommended DFT per coat	1.5 mil - 2.5 mil	--	D-7091	2366 2808
Recommended WFT per coat	5.0 mil - 8.0 mil	--	D-4414	2808
Viscosity (Mixture) (Brookfield) @77°F (25°C)	1800 cps -2300 cps	NMX-U-038-SCFI-2012	D-2196	--
COV's (VOC's)	420 g/l maximum	NOM-123-ECOL-1998	D-3960	17895
Anchor Profile	0.5 mil - 1.0 mil	--	D-4417	12944-4
Temperature resistance	Dry 599°F (315°C)	--	--	--
Touch dry time @77°F (25°C)	20 min maximum	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Hard drying time @77°F (25°C)	24 hours minimum	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Solids (Mixture) in weight	70 % minimum	NMX-C-425-ONNCCE-2003	D-2369	3251
Solids (Mixture) in volume	48 % ±2%	NMX-C-425-ONNCCE-2003	D-2697	3233
Salt Spray*	200 hours minimum	--	B-117	9227

*Applied with a brush.

Characteristics

THERMOX SA is a solvent based coating that air-dries in up to 24 hours before handling. It is resistant to high temperatures withstanding temperatures up to 315°C (599°F) dry and is lead-free. Recommended for temperatures up to 315°C (599°F).

Surface Preparation

It may include a layer of inorganic zinc primer to prevent under-film corrosion. It provides good protection to steel and iron surfaces such as boilers, chimneys, furnaces, pipes, heaters and in general any equipment exposed to this temperature range.

The surface to which this coating will be applied requires at a minimum prior blast cleaning to a finish close to white metal. Remove all visible corrosion and contamination: mill scale, paint and any foreign material.

Applicable Systems and Uses

System	Description
1	GALVANOX X + THERMOX SA
2	THERMOX SA

Application

For spray application it must be done 12 in (30 cm) from the substrate applying wet coats with a 50% overlap between coats until the specified film thickness is achieved. The application should be done in open and ventilated spaces. Do not apply the coating if the ambient temperature is below 10 °C (50°F) or superior to 104°F (40°C). Relative humidity should not exceed 85%, and the substrate temperature should be at least 37.4°F (3°C) above the dew point.

Colors

Aluminum, Black White, Ford Blue and other colors consult the technical area.

Application Equipment

Airless Spray Equipment

Conventional Spray Equipment

* To clean used application equipment, use MT-580 dilution solvent.

Dilution Ratio Based on Equipment

Equipment	Solvent
Airless Spray	It does not carry or if necessary at most 5% of MT-580 solvent.
Conventional Equipment	Use 10% of MT-580 solvent.
* For material calculations consider 10-20% losses depending on the surface condition and application conditions.	

Storage Conditions

Closed lid containers, under roof and a temperature under 104ºF (40ºC) under 80% relative humidity.

Security Management

This product contains highly flammable solvents; its vapors are toxic, avoid contact with skin, eyes (splashes) and continuous inhalation. Its application should be in well- ventilated places away from fire. When applying consult and follow the safety regulations indicated in the product safety sheet.

Remarks

We guarantee the quality of our products according to the general sales and application guidelines, our technical use method advice, verbally expressed and written and scenarios. Where conducted as part of our research, therefore we suggest you conduct your own lab and field test. The application and the terms on how you use our products are out of the reach of our control; therefore, you are responsible for any results. For more information call our technical advisers in Mexico +52 55 5650 5089, +52 55 5650 5238 and +52 55 5657 2784.